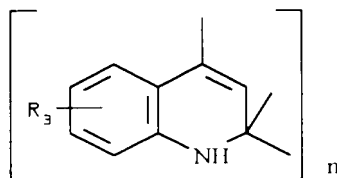


This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

D<sup>2</sup>  
1. (Currently amended) A composition comprising lubricating oil and from about 0.01 to about 10 weight percent of at least a first antioxidant and from about 0.01 to about 10 weight percent of a second antioxidant, the first antioxidant being a secondary diarylamine of the formula  $R_1-NH-R_2$  where  $R_1$  and  $R_2$  each independently represent a substituted or unsubstituted aryl group having from 6 to 46 carbon atoms and the second antioxidant being a 2,2,4-trialkyl-1,2-dihydroquinoline or a polymer thereof of the structure:



where  $n=1-1000$  and  $R_3$  is hydrogen, alkyl, or alkoxy, and wherein the ratio of the first antioxidant to the second antioxidant is from 1:99 to 99:1.

2. (Original) The composition of claim 1 wherein the lubricating oil is selected from the group consisting of polyol esters, diesters, phthalate esters, trimellitate esters, pyromellitate esters, dimer acid esters, and polyoleates.

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3. (Original) The composition of claim 1 wherein the lubricating oil is an API Group I base oil.

4. (Original) The composition of claim 1 wherein the lubricating oil is an API Group II base oil.

5. (Original) The composition of claim 1 wherein the lubricating oil is an API Group IV base oil.

6. (Canceled)

7. (Previously amended) The composition of claim 1 wherein the first antioxidant is selected from the group consisting of diphenylamine, monoalkylated diphenylamine, dialkylated diphenylamine, trialkylated diphenylamine, or mixtures thereof, 3-hydroxydiphenylamine, 4-hydroxydiphenylamine, mono- and/or di-butyl diphenylamine, mono- and/or di-octyl diphenylamine, mono- and/or di-nonyl diphenylamine, phenyl- $\alpha$ -naphthylamine, phenyl- $\beta$ -naphthylamine, diheptyl diphenylamine, mono- and/or di-( $\alpha$ -methylstyryl) diphenylamine, mono- and/or distyryl diphenylamine, 4-(*p*-toluenesulfonamido) diphenylamine, 4-isopropoxy diphenylamine, t-octylated N-phenyl-1-naphthylamine, mixtures of mono- and dialkylated t-butyl-t-octyl diphenylamines, N-phenyl-1,2-phenylenediamine, N-phenyl-1,4-phenylenediamine, N,N'-diphenyl-*p*-phenylenediamine,

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10  
10<sup>+</sup>  
N,N'-di(naphthyl-2)-*p*-phenylenediamine, N-isopropyl-N'-phenyl-*p*-phenylenediamine,  
N-(1,3-dimethylbutyl)-N'-phenyl-*p*-phenylenediamine, N-(1-methylheptyl)-N'-phenyl-*p*-  
phenylenediamine, and N-cyclohexyl-N'-phenyl-*p*-phenylenediamine.

8. (Original) The composition of claim 1 wherein the second antioxidant is  
2,2,4-trimethyl-1,2-dihydroquinoline or a polymer thereof.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Currently amended) The composition of claim 1 further comprising at least one  
additional additive selected from the group [comprising] consisting of dispersants, detergents,  
rust inhibitors, antioxidants, metal deactivators, antiwear agents, antifoamants, friction  
modifiers, seal swell agents, demulsifiers, VI improvers, and pour point depressants.

14. (Currently amended) A composition comprising:

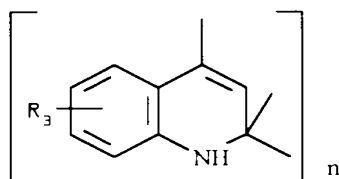
Dr  
cont  
a lubricating oil selected from the group consisting of polyol esters, diesters, phthalate esters, trimellitate esters, pyromellitate esters, dimer acid esters, polyoleates, an API Group I base oil, an API Group II base oil, and an API Group IV base oil,

from about 0.01 to about 10 weight percent of at least one first antioxidant selected from the group consisting of diphenylamine, monoalkylated diphenylamine, dialkylated diphenylamine, trialkylated diphenylamine, or mixtures thereof, 3-hydroxydiphenylamine, 4-hydroxydiphenylamine, mono- and/or di-butyl-diphenylamine, mono- and/or di-octyl-diphenylamine, mono- and/or di-nonyl-diphenylamine, phenyl- $\alpha$ -naphthylamine, phenyl- $\beta$ -naphthylamine, diheptyl-diphenylamine, mono- and/or di-( $\alpha$ -methylstyryl)diphenylamine, mono- and/or distyryl-diphenylamine, 4-(*p*-toluenesulfonamido)diphenylamine, 4-isopropoxydiphenylamine, *t*-octylated *N*-phenyl-1-naphthylamine, mixtures of mono- and dialkylated *t*-butyl-*t*-octyl-diphenylamines, *N*-phenyl-1,2-phenylenediamine, *N*-phenyl-1,4-phenylenediamine, *N,N'*-diphenyl-*p*-phenylenediamine, *N,N'*-di(naphthyl-2)-*p*-phenylenediamine, *N*-isopropyl-*N'*-phenyl-*p*-phenylenediamine, *N*-(1,3-dimethylbutyl)-*N'*-phenyl-*p*-phenylenediamine, *N*-(1-methylheptyl)-*N'*-phenyl-*p*-phenylenediamine, and *N*-cyclohexyl-*N'*-phenyl-*p*-phenylenediamine,

from about 0.01 to about 10 weight percent of a second antioxidant that is 2,2,4-trimethyl-1,2-dihydroquinoline or a polymer thereof, the ratio of the first antioxidant to the second antioxidant being from 1:99 to 99:1, and, optionally,

at least one additional additive selected from the group [comprising] consisting of dispersants, detergents, rust inhibitors, antioxidants, metal deactivators, antiwear agents, antifoamants, friction modifiers, seal swell agents, demulsifiers, VI improvers, and pour point depressants.

15. (Currently amended) A method of increasing the oxidation stability of a lubricating oil comprising adding thereto from about 0.01 to about 10 weight percent of at least a first antioxidant and from about 0.01 to about 10 weight percent of a second antioxidant, the first antioxidant being a secondary diarylamine of the formula  $R_1-NH-R_2$  where  $R_1$  and  $R_2$  each independently represent a substituted or unsubstituted aryl group having from 6 to 46 carbon atoms and the second antioxidant being a 2,2,4-trialkyl-1,2-dihydroquinoline or a polymer thereof of the structure:



where  $n=1-1000$  and  $R_3$  is hydrogen, alkyl, or alkoxy.

16. (Original) The method of claim 15 wherein the lubricating oil is selected from the group consisting of polyol esters, diesters, phthalate esters, trimellitate esters, pyromellitate esters, dimer acid esters, and polyoleates.

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17. (Original) The method of claim 15 wherein the lubricating oil is an API Group I base oil.
18. (Original) The method of claim 15 wherein the lubricating oil is an API Group II base oil.
19. (Original) The method of claim 15 wherein the lubricating oil is an API Group IV base oil.
20. (Canceled)
21. (Previously amended) The method of claim 15 wherein the first antioxidant is selected from the group consisting of diphenylamine, mono-alkylated diphenylamine, dialkylated diphenylamine, trialkylated diphenylamine, or mixtures thereof, 3-hydroxydiphenylamine, 4-hydroxydiphenylamine, mono- and/or di-butyl-diphenylamine, mono- and/or di-octyl-diphenylamine, mono- and/or di-nonyl-diphenylamine, phenyl- $\alpha$ -naphthylamine, phenyl- $\beta$ -naphthylamine, diheptyl-diphenylamine, mono- and/or di-( $\alpha$ -methylstyryl)diphenylamine, mono- and/or distyryl-diphenylamine, 4-(*p*-toluenesulfonamido)diphenylamine, 4-isopropoxydiphenylamine, t-octylated N-phenyl-1-naphthylamine, mixtures of mono- and dialkylated t-butyl-t-octyl-diphenylamines, N-phenyl-1,2-phenylenediamine, N-phenyl-1,4-phenylenediamine, N,N'-diphenyl-*p*-phenylenediamine, N,N'-di(naphthyl-2)-*p*-

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phenylenediamine, N-isopropyl-N'-phenyl-*p*-phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-*p*-phenylenediamine, N-(1-methylheptyl)-N'-phenyl-*p*-phenylenediamine, and N-cyclohexyl-N'-phenyl-*p*-phenylenediamine.

22. (Original) The method of claim 15 wherein the second antioxidant is 2,2,4-trimethyl-1,2-dihydroquinoline or a polymer thereof.

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Original) The method of claim 15 wherein the ratio the first antioxidant to the second antioxidant is from 1:99 to 99:1.

27. (Currently amended) The method of claim 15 further comprising at least one additional additive selected from the group [comprising] consisting of dispersants, detergents, rust inhibitors, antioxidants, metal deactivators, antiwear agents, antifoamants, friction modifiers, seal swell agents, demulsifiers, VI improvers, and pour point depressants.

28. (Currently amended) A method of increasing the oxidation stability of a lubricating oil selected from the group consisting of polyol esters, diesters, phthalate esters, trimellitate esters, pyromellitate esters, dimer acid esters, polyoleates, an API Group I base oil, an API Group II base oil, and an API Group IV base oil, comprising adding thereto:

from about 0.01 to about 10 weight percent of at least one first antioxidant selected from the group consisting of diphenylamine, mono-alkylated diphenylamine, dialkylated diphenylamine, trialkylated diphenylamine, or mixtures thereof, 3-hydroxydiphenylamine, 4-hydroxydiphenylamine, mono- and/or di-butyl-diphenylamine, mono- and/or di-octyl-diphenylamine, mono- and/or di-nonyl-diphenylamine, phenyl- $\alpha$ -naphthylamine, phenyl- $\beta$ -naphthylamine, diheptyldiphenylamine, mono- and/or di-( $\alpha$ -methylstyryl)diphenylamine, mono- and/or distyryldiphenylamine, 4-(*p*-toluenesulfonamido)diphenylamine, 4-isopropoxydiphenylamine, *t*-octylated *N*-phenyl-1-naphthylamine, mixtures of mono- and dialkylated *t*-butyl-*t*-octyl-diphenylamines, *N*-phenyl-1,2-phenylenediamine, *N*-phenyl-1,4-phenylenediamine, *N,N'*-diphenyl-*p*-phenylenediamine, *N,N'*-di(naphthyl-2)-*p*-phenylenediamine, *N*-isopropyl-*N'*-phenyl-*p*-phenylenediamine, *N*-(1,3-dimethylbutyl)-*N'*-phenyl-*p*-phenylenediamine, *N*-(1-methylheptyl)-*N'*-phenyl-*p*-phenylenediamine, and *N*-cyclohexyl-*N'*-phenyl-*p*-phenylenediamine,

from about 0.01 to about 10 weight percent of a second antioxidant that is 2,2,4-trimethyl-1,2-dihydroquinoline or a polymer thereof, the ratio of the first antioxidant to the second antioxidant being from 1:99 to 99:1, and, optionally,



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at least one additional additive selected from the group [comprising] consisting of dispersants,  
detergents, rust inhibitors, antioxidants, metal deactivators, antiwear agents,  
antifoamants, friction modifiers, seal swell agents, demulsifiers, VI improvers, and  
pour point depressants.